

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

- 1 1. (Original) A method of establishing a call session over a packet-based
2 network, comprising:
3 receiving, in a first switch, a call request over the packet-based network
4 from a first terminal associated with a logical identifier, the call request targeting a
5 second terminal coupled to a second switch;
6 storing, in the first switch, information relating to features of the first
7 terminal, the information associated with the logical identifier;
8 sending, from the first switch, a request over a packet-based trunk to the
9 second switch in response to the call request; and
10 sending, from the first switch to the first terminal, a media connection
11 request containing a network address of the second terminal to enable the first terminal to
12 establish a media path with the second terminal over the packet-based network.
- 1 2. (Original) The method of claim 1, wherein receiving the call request
2 comprises receiving an off-hook indication and a dialed number.
- 1 3. (Original) The method of claim 2, wherein receiving the call request
2 comprises receiving a network address of the first terminal.
- 1 4. (Original) The method of claim 3, further comprising determining the
2 logical identifier based on the network address.
- 1 5. (Original) The method of claim 2, wherein the network address comprises
2 an Internet Protocol address.
- 1 6. (Original) The method of claim 1, wherein the logical identifier comprises
2 a virtual terminal number.

1 7. (Original) The method of claim 1, further comprising accessing the
2 information in response to the call request to perform a predetermined action.

1 8. (Original) The method of claim 7, wherein receiving the call request
2 comprises receiving an indication of activation of a button on the first terminal.

1 9. (Original) The method of claim 8, wherein accessing the information
2 comprises accessing the information to determine an action to perform in response to the
3 activation of the button.

1 10. (Original) The method of claim 1, wherein storing the information
2 comprises storing the information in a profile associated with the logical identifier.

1 11. (Original) The method of claim 10, further comprising storing other
2 profiles of other terminals associated with other logical identifiers.

1 12. (Original) The method of claim 1, wherein storing the information
2 comprises storing configuration information relating to one or more buttons of the first
3 terminal.

1 13. (Original) The method of claim 1, further comprising the second switch
2 sending a second media connection request to the second terminal, the second media
3 connection request containing a network address of the first terminal to enable the second
4 terminal to establish a media path with the first terminal over the packet-based network

1 14. (Currently Amended) A switch system for establishing calls over a packet-
2 based network, comprising:

3 an interface adapted to communicate over the packet-based network;
4 a controller communicatively coupled to the interface and adapted to
5 receive a call request over the packet-based network from a first terminal, the first

6 terminal associated with a logical identifier, the call request targeting a second terminal
7 that is coupled to a second switch system,
8 the controller adapted to further send signaling to the second switch
9 system over a packet-based trunk provided over the packet-based network; and
10 a storage unit containing information relating to features of the first
11 terminal, the information associated with the logical identifier of the first terminal.

1 15. (Original) The system of claim 14, wherein the logical identifier
2 comprises a virtual terminal number.

1 16. (Original) The system of claim 15, wherein the storage unit further
2 comprises a table mapping the virtual terminal number to a network address.

1 17. (Original) The system of claim 16, wherein the network address comprises
2 an Internet Protocol address.

1 18. (Original) The system of claim 16, wherein the table comprises plural
2 virtual terminal numbers mapped to corresponding plural network addresses.

1 19. (Original) The system of claim 14, wherein the storage unit contains a
2 profile associated with the logical identifier of the first terminal, the profile containing the
3 information relating to features.

1 20. (Original) The system of claim 19, wherein the storage unit contains at
2 least another profile associated with at least another logical identifier of another terminal.

1 21. (Original) The system of claim 14, wherein the signaling between the
2 switch systems comprise signaling to determine if the second terminal is a network
3 terminal capable of communicating over the packet-based terminal.

1 22. (Original) An article comprising at least one storage medium containing
2 instructions that when executed cause a first switch to:
3 receive a request over a packet-based network from a first terminal, the
4 terminal associated with a logical identifier;
5 access a profile associated with the logical identifier; and
6 use information in the profile to send signaling to a second switch to
7 establish a call session with a second terminal.

1 23. (Original) A data signal embodied in a carrier wave and comprising
2 instructions that when executed cause a first switch to:
3 receive a call request over the packet-based network from a first terminal
4 associated with a logical identifier, the call request targeting a second terminal coupled to
5 a second switch;
6 store information relating to features of the first terminal, the information
7 associated with the logical identifier;
8 send a request over a packet-based trunk to the second switch in response
9 to the call request; and
10 send a media connection request to the first terminal containing a network
11 address of the second terminal to enable the first terminal to establish a media path with
12 the second terminal over the packet-based network.

1 24. (New) The method of claim 1, wherein sending the media connection
2 request to the first terminal enables the first terminal to establish the media path with the
3 second terminal, wherein the media path does not pass through the first and second
4 switches.

1 25. (New) The method of claim 1, wherein storing, in the first switch,
2 information relating to features of the first terminal comprises storing information
3 relating to a speed dial feature of the first terminal that is coupled to the first switch over
4 a packet-based network.

1 26. (New) The method of claim 1, further comprising the first switch
2 interacting with the first terminal to establish a call session based on the call request,
3 wherein the media connection request from the first switch enables the
4 first terminal to establish the media path of the call session with the second terminal
5 without passing through the first and second switches.

1 27. (New) The system of claim 14, wherein the controller is adapted to send a
2 media connection request to the first terminal, the media connection request containing a
3 network address of the second terminal to enable the first terminal to establish a media
4 path with the second terminal over the packet-based network.

1 28. (New) The system of claim 27, wherein the controller is adapted to
2 interact with the first terminal to establish a call session based on the call request and the
3 media connection request enables the first terminal to establish the media path of the call
4 session with the second terminal without passing though the first and second switches.

1 29. (New) The article of claim 22, wherein the instructions when executed
2 cause the first switch to further:
3 send a media connection request to the first terminal, the media connection
4 request containing a network address of the second terminal to enable the first terminal to
5 establish a media path with the second terminal over the packet-based network.

1 30. (New) The article of claim 29, wherein the instructions when executed
2 cause the first switch to further:
3 interact with the first terminal to establish the call session based on the
4 request,
5 wherein the media connection request enables the first terminal to
6 establish the media path of the call session with the second terminal without passing
7 through the first and second switches.

1 31. (New) The article of claim 22, wherein accessing the profile comprises
2 accessing a profile containing information relating to a speed dial feature of the first
3 terminal.

1 32. (New) The data signal of claim 23, wherein the instructions when
2 executed cause the first switch to interact with the first terminal to establish a call session
3 based on the call request, and
4 wherein the media connection request enables the first terminal to
5 establish the media path of the call session with the second terminal without passing
6 through the first and second switches.

1 33. (New) The data signal of claim 23, wherein storing the information
2 relating to features of the first terminal comprises storing information relating to a speed
3 dial feature of the first terminal that is coupled to the first switch over the packet-based
4 network.